IN THE CLAIMS

1. (currently amended) An audio/video synchronization processing apparatus for synchronizing video data and audio data having different predetermined frame lengths, comprising:

a timer ~~means~~;

a storage means for storing a start time of each frame of the video data and audio data, a time of a pause ~~request;~~ request, and a time of a pause release request counted by the timer ~~means~~; and

a controlling means for determining whether to delay one of the video data and the audio data and depending on a result thereof for determining which of the video data and the audio data to delay in frame units after the pause release request ~~or not to delay either~~ based on the start time of each frame of the video data and audio data, the time of the pause request, and the time of the pause release request.

2. (currently amended) An audio/video synchronization processing apparatus as set forth in claim 1, wherein the controlling means

calculates an audio delay time constituted by a delay time of the frames of the audio data based on breaks of frames of the video data at the time of a pause request,

monitors a frame offset time constituted by a difference of the frame start time of the audio data with respect to the video data at each start time of each frame of the video data after a pause request,

calculates an audio correction time based on the audio delay time and the frame offset time at the time of a pause release request for a pause request, and

determines whether to delay one of the video data and the audio data and depending on the result thereof determines which

of the video data and the audio data to delay in frame units ~~or not to delay either~~ after a pause release request based on a cumulative audio correction time obtained by cumulatively adding the audio correction time calculated for each pause release request.

3. (currently amended) An audio/video synchronization processing apparatus as set forth in claim 2, wherein said ~~control~~ controlling means delays said video data by one frame with respect to said audio data after a pause release request when judging that said audio data is advanced with respect to the video data based on said cumulative audio correction time.

4. (currently amended) An audio/video synchronization processing apparatus as set forth in claim 2, wherein said ~~control~~ controlling means delays said audio data by one frame with respect to said video data after a pause release request when judging that said audio data is delayed by one frame or more with respect to the video data based on said cumulative audio correction time.

5. (currently amended) An audio/video synchronization processing method for synchronizing video data and audio data having different predetermined frame lengths, comprising:

a step of calculating an audio delay time constituted by a delay time of the frames of the audio data based on breaks of frames of the video data at the time of a pause request,

a step of monitoring a frame offset time constituted by a difference of the frame start time of the audio data with respect to the video data at each start time of each frame of the video data after a pause request,

a step of calculating an audio correction time based on the audio delay time and the frame offset time at the time of a pause release request for a pause request, and

a step of determining whether to delay one of the video data and the audio data and depending on a result thereof determining which of the video data and the audio data to delay in frame units ~~or not to delay either~~ after a pause release request based on a cumulative audio correction time obtained by cumulatively adding the audio correction time calculated for each pause release request.

6. (original) An audio/video synchronization processing method as set forth in claim 5, further comprising delaying said video data by one frame with respect to said audio data after a pause release request when judging that said audio data is advanced with respect to the video data based on said cumulative audio correction time.

7. (original) An audio/video synchronization processing apparatus as set forth in claim 5, further comprising delaying said audio data by one frame with respect to said video data after a pause release request when judging that said audio data is delayed by one frame or more with respect to the video data based on said cumulative audio correction time.

8. (currently amended) An audio/video recording apparatus for synchronizing video data and audio data having different predetermined frame lengths, comprising:

a timer ~~means~~;

a storage means for storing a start time of each frame of the video data and audio data, a time of a pause ~~request;~~ request, and a time of a pause release request counted by the timer ~~means~~;

a synchronization controlling means for synchronizing the audio data after a pause release request in frame units based on the start time of each frame of the video data and audio data, the time of the pause request, and the time of the pause release request; and

a multiplex data generating means for adding time information to the video data and the audio data synchronized by the synchronization controlling means and generating multiplex data.